SEQUENCE LISTING

<110> Zhang, Zhaoda
      Amedio, John C.
      Caravan, Peter D.
      Dumas, Stephane
      Kolodziej, Andrew
      McMurry, Thomas J.

<120> PEPTIDE-BASED MULTIMERIC TARGETED
      CONTRAST AGENTS

<130> 13498-010002

<140> US 10/209,183
<141> 2002-07-30

<150> US 60/308,721
<151> 2001-07-30

<160> 27

<170> FastSEQ for Windows Version 4.0

<210> 1
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<220>
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<221> VARIANT
<222> 1
<223> Xaa = Pro or a non-natural derivative thereof

<221> VARIANT
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<223> Xaa = Tyr or a non-natural derivative thereof

<221> VARIANT
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<223> Xaa = Gly or Asp, or a non-natural derivative of
      Gly or Asp

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<223> Xaa = Leu or a non-natural derivative thereof

<400> 1
Xaa Xaa Xaa Xaa
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<221> VARIANT
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<223> Xaa = Trp, Tyr, Phe, Ser, nTyr, dW, dF, F(3/4*), Y(3*), or a
      non-natural derivative thereof

<221> VARIANT
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<223> Xaa = Glu, His, dGlu, Ser, or a non-natural derivative thereof

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<223> Xaa = Tyr or a non-natural derivative thereof

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<223> Xaa = Gly or Asp

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<223> Xaa = His, Phe, Tyr, or Trp

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<223> Xaa = Ile, Leu, Val, Asn, F(3/4*), or a non-natural
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<223> Xaa = Asn, Gln, Ile, Leu, Val, or absent

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Xaa Xaa Cys Xaa Xaa Xaa Leu Cys Xaa Xaa Xaa
 1   5   10

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<223> Xaa = Tyr or a non-natural derivative of tyrosine

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<223> Xaa = Gly or Asp

<400> 3
Cys Xaa Xaa Xaa Leu Cys
 1   5

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<221> MOD_RES
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<223> Xaa = meta-chlorotyrosine

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Trp Glu Cys Xaa Xaa Gly Leu Cys Trp Ile Gln
 1   5   10

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<223> Xaa = 4-hydroxyproline

<221> MOD_RES
<222> 5
<223> Xaa = meta-chlorotyrosine

<400> 5
Tyr Glu Cys Xaa Xaa Gly Leu Cys Tyr Ile Gln
 1   5   10

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<221> MOD_RES
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<223> Xaa = meta-chlorotyrosine

<400> 6
Tyr Glu Cys Xaa Xaa Gly Leu Cys Trp Ile Gln
 1               5               10


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<223> Xaa = 4-hydroxyproline

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<223> Xaa = meta-chlorotyrosine

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Trp Glu Cys Xaa Xaa Gly Leu Cys Tyr Ile Gln
 1               5               10


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<223> Xaa = meta-chlorotyrosine

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Trp Glu Cys Xaa Xaa Asp Leu Cys Trp Ile Gln
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<223> Xaa = meta-chlorotyrosine

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Tyr Glu Cys Xaa Xaa Asp Leu Cys Tyr Ile Gln
 1               5                   10


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Tyr Glu Cys Xaa Xaa Asp Leu Cys Trp Ile Gln
 1               5                   10


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<223> Xaa = 4-hydroxyproline

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<223> Xaa = meta-chlorotyrosine

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Trp Glu Cys Xaa Xaa Asp Leu Cys Tyr Ile Gln
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<210> 12
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<223> Xaa = meta-chlorotyrosine

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Tyr His Cys Xaa Xaa Gly Leu Cys Trp Ile Gln
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<221> MOD_RES
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<223> Xaa = meta-chlorotyrosine

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Trp Glu Cys Pro Xaa Gly Leu Cys Trp Ile Gln
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<223> Xaa = 4-hydroxyproline

<400> 15
Trp Glu Cys Xaa Tyr Gly Leu Cys Trp Ile Gln
 1               5                   10


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<223> Xaa = meta-chlorotyrosine

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Phe His Cys Xaa Xaa Asp Leu Cys His Ile Leu
 1               5                   10


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<221> VARIANT
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<223> Xaa = n(decyl)Gly, n(4-PhBu)Gly, MeLeu, Phe(4*)
      Phe(3-Me), Phe(3,4-difluoro), Tyr(3, 5-di-iodo), or MeLeu

<400> 17
Cys Asp Tyr Tyr Gly Thr Cys Xaa
 1               5


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<221> VARIANT
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      Phe(3-Me), Phe(3,4-difluoro), Tyr(3,5-di-iodo), or MeLeu

<221> VARIANT
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<223> Xaa = Asp, dAsp, beta-Asp, Me-Asp, or dCys

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Cys Asp Tyr Tyr Gly Thr Cys Xaa Xaa
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Leu Pro Cys Asp Tyr Tyr Gly Thr Cys Xaa Asp
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<220>
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<221> MOD_RES
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 1   5   10

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<223> Xaa = methyl-leucine

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 1   5   10

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<223> Xaa = methyl-biphenylalanine

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<223> Xaa = Pro or a non-natural derivative thereof

<221> VARIANT
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<223> Xaa = n(decyl)Gly, n(4-PhBu)Gly, MeLeu, Phe(4*),
      Phe(3-Me), Phe(3,4-difluoro), Tyr(3, 5-di-iodo), or MeLeu

<221> VARIANT
<222> 11
<223> Xaa = Asp, dAsp, beta-Asp, or Me-Asp

<400> 26
Xaa Xaa Cys Asp Tyr Tyr Gly Thr Cys Xaa Xaa
 1               5                   10

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<220>
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Gln Trp Glu Cys Pro Tyr Gly Leu Cys Trp Ile Gln
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